

Purpose: To meet the goal of administering FDA-Emergency Use Authorization casirivimab/imdevimab (REGEN-COV) to treat mild to moderate coronavirus disease, or for post-exposure prophylaxis (PEP) of COVID-19, in patients who are high risk for progression to severe COVID-19 and who meet the criteria set-forth by the Emergency Use Authorization Food and Drug Administration.

Policy: This standing order authorizes any North Carolina healthcare provider, in accordance with the conditions of their licensure and/or scope of practice to include intravenous infusions, or pursuant to orders issued under North Carolina Executive Order 232, or as a covered person under the federal PREP Act functioning as monoclonal antibody providers to administer casirivimab/imdevimab (REGEN-COV) authorized by the FDA through an Emergency Use Authorization (EUA) and per conditions of this order.

nd older, weighing at least 40 kg (88.2 lb.), who present to treatment with monoclonal antibodies or REGEN-COV) for treatment of mild to moderate COVID-prophylaxis to COVID-19, who self-attest to being at high risk is ease. Patients should have legal and decisional capacity to h monoclonal antibodies (casirivimab/imdevimab or REGEN-th NC GS § 90-21.5. (REGEN-COV) can only be administered in settings in which we immediate access to medications to treat a severe infusion or as (such as anaphylaxis), and the ability to activate EMS, as a to local protocol. Seessment Criteria Moderate Post-Exposure Prophylaxis of COVID-
ye immediate access to medications to treat a severe infusion or as (such as anaphylaxis), and the ability to activate EMS, as a to local protocol. Sessment Criteria
Moderate Post-Exposure Produviaxis of COVID-
19
1. The patient self-attests that they are not fully vaccinated against COVID-19 or are not expected to mount an adequate immune response to complete COVID-19 vaccination AND 2. The patient self-attests that they are a close contact to an individual infected with COVID-19 or are at high risk of exposure to COVID-19 due to higher occurrence of infection in an institutional setting (for example, in nursing homes and correctional settings). Regarding repeat dosing: If the patient has an ongoing exposure to COVID-19 >4
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weeks and is not fully vaccinated against COVID-19 or is not expected to mount a full immune response against COVID-19 (e.g. an immunocompromised patient), they should continue to receive casirivimab/ imdevimab (REGEN-COV) every 4 weeks for the duration of the exposure.	
	If the patient is presenting for repeat dosing of casirivimab/imdevimab due to an ongoing exposure, the last dose should be at least 4 weeks ago.
In addition to meeting one of the above crite	eria, the patient self-attests to having a

In addition to meeting one of the above criteria, the patient self-attests to having a condition that would put them at high-risk for progression to severe COVID-19. Refer to the CDC's review of <u>People with Certain Medical Conditions</u> for the most recent guidance on medical conditions that place a person at higher risk for severe illness with COVID-19. High risk conditions may include, but not be limited to:

- 1. Older age (for example, over the age of 65)
- 2. Obesity or being overweight (for example, BMI > 25; or if age 12-17, have $BMI \ge 85^{th}$ percentile for their age and gender based on CDC growth charts)
- 3. Pregnancy
- 4. Chronic kidney disease
- 5. Diabetes
- 6. Immunosuppressive disease or immunosuppressive treatment
- 7. Cardiovascular disease (including congenital heart disease) or hypertension
- 8. Chronic lung diseases (for example, chronic obstructive pulmonary disease, moderate-to-severe asthma, interstitial lung disease, cystic fibrosis, and pulmonary hypertension)
- 9. Sickle cell disease
- 10. Neurodevelopmental disorders (for example, cerebral palsy) or other conditions that confer medical complexity (for example, genetic or metabolic syndromes and severe congenital anomalies)
- 11. Having a medical-related technological dependence (for example, tracheostomy, gastrostomy, or positive pressure ventilation unrelated to COVID-19)

Patients may self-attest they have another condition or factor that may put them at high risk for progression to severe COVID-19 disease that is not listed above.

If the patient presents with another condition or factor that is not listed above and the patient is uncertain if it may put them at high risk for progression to severe COVID-19 disease and therefore cannot self-attest to high risk, consult with the physician or

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	advanced practice provider (APP; nurse practitioner, certified nurse-midwife, or	
	physician assistant) providing clinical supervision of the treatment	
	facility/agency/service.	
Objective	1. The patient is at least 12 years of age or older.	
	2. The patient weighs at least 40 kg, or 88.2 lb.	
	Plan of Care	
Actions	 Review agency protocol for assessment and management of anaphylaxis before initiating treatment. Appropriate medical treatment and clinical staff able to manage immediate allergic reactions must be immediately available in the event an acute anaphylactic reaction occurs following administration reaction according to agency protocol. Prior to patients receiving casirivimab/imdevimab (REGEN-COV), provide and 	
	review the Fact Sheet for Patients, Parents and Caregivers EUA of REGEN-COV for COVID-19. 3. Before administering casirivimab/imdevimab (REGEN-COV) or participating in any patient care activities, don appropriate personal protective equipment (PPE) per CDC guidelines to protect against the transmission of COVID-19.	
Precautions: Patient	The patient should be clinically monitored during and after administration of	
Monitoring	casirivimab/imdevimab (REGEN-COV). After administration is complete, the patient should be monitored for a minimum of 1 hour. During this time, the nurse, EMS personnel, or other individuals who are trained and supervised by clinical staff shall observe for signs and symptoms of a hypersensitivity reaction (anaphylaxis) or infusion related reaction. These may include: 1. Fever 2. Difficulty breathing 3. Reduced oxygen saturation 4. Chills 5. Nausea 6. Arrhythmia (such as atrial fibrillation, tachycardia, or bradycardia) 7. Chest pain or discomfort 8. Weakness 9. Altered mental status 10. Headache 11. Bronchospasm 12. Hypotension 13. Hypertension 14. Angioedema 15. Throat irritation 16. Rash (urticaria) 17. Pruritus 18. Myalgia 19. Vasovagal reaction	

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	20. Dizziness 21. Fatigue 22. Diaphoresis If the patient is showing signs of anaphylaxis or an infusion/injection related reaction during or after administration; stop treatment, implement medical emergency protocols and immediately notify the physician or APP providing clinical supervision of the treatment facility/agency/service. IV Route-Initial Dose
Treatment	1. Prepare 600 mg casirivimab and 600 mg imdevimab according to manufacturer
	instructions using aseptic technique. Casirivimab and imdevimab can be supplied as either a co-formulated package (REGEN-COV), or individually packaged. For individually packaged casirivimab and imdevimab, follow the RXWorkflow for Casirivimab/ Imdevimab from Individual Packages. For a co-formulated package (REGEN-COV), follow the RXWorkflow for REGEN-COV Co-Formulated Vial. 600 mg of casirivimab and 600 mg of imdevimab are added to the same infusion bag and administered together as a single intravenous infusion. 2. Gather the recommended materials for infusion: a. Polyvinyl chloride (PVC), polyethylene (PE)-lined PVC, or polyurethane (PU) infusion set, according to local supply and protocol b. In-line or add-on 0.2-micron polyethersulfone (PES) filter, according to local supply and protocol 3. Attach the infusion set to the intravenous bag. 4. Prime the infusion set. 5. Administer the entire infusion solution in the bag via pump or gravity, according to local supply and protocol, through an intravenous line containing a sterile, in-line or add-on 0.2-micron PES filter. Due to potential overfill of prefilled saline bags, the entire infusion solution in the bag should be administered to avoid underdosage. a. Follow local protocol for IV site selection and administration.

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Dilution Instructions and Administration Rate for 600 mg of Casirivimab and 600 mg of Imdevimab for Initial Intravenous Infusion			
Using Co-Formulated Vial			
Using Individual Vials	Add 5 mL of casirivimab and 5 mL of imdevimab and inject into a prefilled 0.9% sodium chloride infusion bag and administer as instructed below		
Size of Prefilled 0.9% Sodium Chloride Infusion Bag	Maximum Infusion Rate	Minimum Infusion Time	
50 mL	180 mL/hr	20 minutes	
100 mL	310 mL/hr	21 minutes	
150 mL	310 mL/hr	31 minutes	
250 mL	310 mL/hr	50 minutes	

^{*}the minimum infusion time must be at least 20 minutes to ensure safe use.

- 6. The prepared infusion solution should not be administered simultaneously with any other medication.
- 7. After the infusion is complete, flush the tubing with 0.9 Sodium Chloride.
- 8. Discard unused product.

IV Route-Repeat Dosing

- 1. Verify that the patient is presenting for repeat dosing of casirivimab/imdevimab (REGEN-COV) due to ongoing exposure to COVID-19 and that at least 4 weeks has passed since their last treatment.
- 2. Prepare 300 mg casirivimab and 300 mg imdevimab according to manufacturer instructions using aseptic technique. Casirivimab and imdevimab can be supplied as either a co-formulated package (REGEN-COV), or individually packaged. For individually packaged casirivimab and imdevimab, follow the RXWorkflow for Casirivimab/ Imdevimab from Individual Packages. For a co-formulated package (REGEN-COV), follow the RXWorkflow for REGEN-COV Co-Formulated Vial. 300 mg of casirivimab and 300 mg of imdevimab are added to the same infusion bag and administered together as a single intravenous infusion.
- 3. Gather the recommended materials for infusion:
 - a. Polyvinyl chloride (PVC), polyethylene (PE)-lined PVC, or polyurethane (PU) infusion set, according to local supply and protocol

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	 b. In-line or add-on 0.2-micron polyethersulfone (PES) filter, according to local supply and protocol 4. Attach the infusion set to the intravenous bag. 5. Prime the infusion set. 6. Administer the entire infusion solution in the bag via pump or gravity, according to local supply and protocol, through an intravenous line containing a sterile, in-line or add-on 0.2-micron PES filter. Due to potential overfill of prefilled saline bags, the entire infusion solution in the bag should be administered to avoid underdosage. a. Follow local protocol for IV site selection and administration. 		
	Dilution Instructions and Administration Rate for 300 mg of Casirivimab and 300 mg of Imdevimab for Repeat Intravenous Infusion		
	Using Co-Formulated Vial	Add 5 mL of co-formulated casirivimab and imdevimab into a prefilled 0.9% sodium chloride infusion bag and administer as instructed below	
	Using Individual Vials	Add 2.5 mL of casirivimab and 2.5 mL of imdevimab and inject into a prefilled 0.9% sodium chloride infusion bag and administer as instructed below	
	Size of Prefilled 0.9% Sodium Chloride Infusion Bag	Maximum Infusion Rate	Minimum Infusion Time
	50 mL	165 mL/hr	20 minutes
	100 mL	310 mL/hr	20 minutes
	150 mL	310 mL/hr	30 minutes
	250 mL	310 mL/hr	49 minutes
	*the minimum infusion time must be at least 20 minutes to ensure safe use.		
	any other medication.8. After the infusion is c9. Discard unused produ	complete, flush the tubing wit act.	h 0.9 Sodium Chloride.
Follow-up		ith COVID-19 Antibody The	rapy Discharge Instructions
	and review it with the		hylovic for avnocura to
	2. For patients who are a COVID-19:	receiving post-exposure prop	nyiaxis for exposure to
	·	will have ongoing exposure to	an individual with COVID-
	=	gh risk of exposure to an indiv	
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19 due to high occurrence in an institutional setting (e.g., nursing homes or correctional facilities), advise the patient they should continue to



NPI: 1760540421

NC State Health Director's Statewide Standing Order for Intravenous Administration of Casirivimab/Imdevimab (REGEN-COV) Monoclonal Antibodies September 13, 2021

	receive casirivimab/imdevimab (REGEN-COV) every 4 weeks for the		
	duration of the exposure.		
	. Patients treated with casirivimab/imdevimab (REGEN-COV) should continue		
	to use infection precautions and isolate or quarantine according to CDC Criteria		
	for Quarantine and Isolation.		
	Administrators of casirivimab/imdevimab (REGEN-COV) should report all		
	medication errors and serious adverse events within 7 days from the onset of		
	the event. This can be found here: http://www.fda.gov/medwatch/report.htm.		
	Please note, all fields should be completed with as much detailed information as		
	possible.		
	possible.		
Contraindications	Do not administer casirivimab/ imdevimab (REGEN-COV) monoclonal antibody		
for Use of this	treatment to patients that:		
Order	1. Have previous severe hypersensitivity reaction, such as anaphylaxis, to		
Oruci	casirivimab/ imdevimab (REGEN-COV) or to any ingredient of casirivimab/		
	imdevimab (REGEN-COV).		
	2. Are hospitalized due to COVID-19.		
	3. Require oxygen therapy due to COVID-19.		
	Require an increase in baseline oxygen flow rate due to COVID-19 for patients		
	on chronic oxygen therapy due to underlying non-COVID-19 related morbidity.		
Criteria or	ify the physician/APP if:		
Circumstances for	1. The patient desires treatment or post-exposure prophylaxis with		
	casirivimab/imdevimab (REGEN-COV) but is uncertain if they meet the		
Notifying the Physician or	assessment criteria for use.		
Advanced Practice			
Provider (APP)	The patient exhibits signs of a hypersensitivity reaction (anaphylaxis) or an infusion/injection-related reaction. In this instance, stop treatment; initiate		
Trovider (Arr)	emergency medical protocols and notify the physician/ APP providing clinical		
	supervision of the treatment facility/agency/service. Notify the physician/ARR from the organization providing clinical supervision		
	3. Notify the physician/APP from the organization providing clinical supervision of the treatment facility/agency/service at any time there are questions or		
	problems with carrying out this standing order.		
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Approved by:	Date approved:9-13-21		
	Cuervo Tilson, MD, MPH		
NDI 1740	0540.401		

This order is effective immediately upon signing and may be revised or revoked by the State Health Director according to his/her discretion. Legal Authority: Executive Order Number 232

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